



DEBUGGING JUPYTERLAB EXTENSIONS

When to debug

How to debug (using vscode)



When to debug

- When stuff goes wrong
- When you want to inspect the internals of your extension

When to debug

How to debug (using vscode)



How to know stuff has gone wrong

- UI elements don't show up
- Errors appear in Python console
- Errors appear in browser console

When to debug

How to debug (using vscode)



Enter into a terminal

- `$ pip install cookiecutter`
- `$ cookiecutter gh:jupyterlab/debug-config-cookiecutter -f`
- Answer any prompts that come up
- Configure stuff in `.vscode` dir as necessary

Set breakpoints in vscode

When to debug

How to debug (using vscode)



```
handlers.py × debug.env
demo > completed-demo > mybutton > handlers.py > TutorialHandler
1 from jupyter_server.base.handlers import JupyterHandler
2 import tornado
3
4 class TutorialHandler(JupyterHandler):
5     @tornado.web.authenticated
6     def get(self):
7         self.write('HELLO WORLD')
```

When to debug

How to debug (using vscode)



Run debug tasks in “run” sidebar

- Run “jlab all”

